

WHAT IS CLAIMED IS:

1. An apparatus for reversing a sheet conveyed along conveyance paths, said apparatus comprising:

5 a first conveyance path having a first entrance at one end thereof and a first exit at the other end thereof, said first conveyance path for conveying of a sheet to be reversed which is fed into said first entrance;

10 a second conveyance path having a second entrance at one end thereof and a second exit at the other end thereof, said second conveyance for conveying a sheet not to be reversed which is fed into said second entrance;

15 a common path communicating at one end thereof with said first exit of said first conveyance path and communicating at the other end thereof with said second exit of said second conveyance path;

a merging path communicating with said one end of said common path;

20 a first reversing roller having a part thereof positioned in said common path;

25 a second reversing roller having a part thereof positioned in said common path, said second reversing roller being opposed to said first reversing roller and pressed against said first revering roller, thereby transferring the sheet in said common path between said

first and second reversing rollers;

first rotating means for rotating a first rotational shaft integrally extending from said first reversing roller, in one direction;

5 second rotating means for rotating a second rotational shaft integrally extending from said second reversing roller, in the same direction as said first rotational shaft is rotated;

10 a first electromagnetic clutch for coupling said first rotational shaft to said first rotating means;

a second electromagnetic clutch for coupling said second rotational shaft to said second rotating means; and,

15 control means for effecting an on-off control of said first and second electromagnetic clutches, so that when feeding the sheet from said first conveyance path into said common path, said first electromagnetic clutch is on and said second electromagnetic clutch is off, so that when feeding the sheet from said second
20 conveyance path into said common path, said first electromagnetic clutch is off and said second electromagnetic clutch is on, and so that when feeding the sheet from said common path into said merging path, said first electromagnetic clutch is off and said
25 second electromagnetic clutch is on.

2. The apparatus according to Claim 1, wherein

said first and second rotating means comprises first and second pulleys, wherein said first pulley is coupled through a first belt to a drive shaft of a motor rotating in one direction, and wherein said second pulley is coupled through a second belt to said drive shaft of said motor.

3. An apparatus for reversing a sheet conveyed along conveyance paths, said apparatus comprising:

a first conveyance path for receiving and conveying of a sheet despite of the front face or rear face the sheet;

a second conveyance path for conveying the sheet to be reversed, after reversal thereof;

a third conveyance path for conveying the sheet not to be reversed, without reversal thereof;

a common path communicating at one end thereof with an exit of said first conveyance path, communicating at said one end with an entrance of said second conveyance path, and communicating at the other end thereof with an entrance of said third conveyance path;

a first reversing roller having a part thereof positioned in said common path;

a second reversing roller having a part thereof positioned in said common path, said second reversing roller being opposed to said first reversing roller and

pressed against said first reversing roller, thereby transferring the sheet in said common path between said first and second reversing rollers;

5 first rotating means for rotating a first rotational shaft integrally extending from the first reversing roller, in one direction;

second rotating means for rotating a second rotational shaft integrally extending from said second reversing roller, in the same direction as the first rotational shaft is rotated;

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a first electromagnetic clutch for coupling said first rotational shaft to said first rotating means;

a second electromagnetic clutch for coupling said second rotational shaft to said second rotating means;

15 and,

control means for effecting an on-off control of said first and second electromagnetic clutches, so that a sheet not to be reversed is introduced into the entrance of said first conveyance path, said first electromagnetic clutch is on and said second electromagnetic clutch is off so as to feed the sheet from said first conveyance path through said common path into said third conveyance path, and so that when a sheet to be reversed is introduced into the entrance

20 of said first conveyance path, said first electromagnetic clutch is on and said second

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electromagnetic clutch is off so as to feed the sheet from said first conveyance path into said common path, thereafter said first electromagnetic clutch is off and said second electromagnetic clutch is on so as to feed
5 the sheet from said common path into said second conveyance path.

4. The apparatus according to Claim 3, wherein said first and second rotating means comprises first and second pulleys, wherein said first pulley is
10 coupled through a first belt to a drive shaft of a motor rotating in one direction, and wherein said second pulley is coupled through a second belt to said drive shaft of said motor.